

# INTERNATIONAL SEARCH REPORT

PCT/NL2004/000801

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B26F1/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B26F B26D D21J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 063 477 A (HANTKE HELMUT) 20 December 1977 (1977-12-20) column 1, line 20 - line 22 column 1, line 45 - line 55 column 3, line 50 - line 67 column 6, line 6 - line 27; figures	1-9
Y	EP 1 145 822 A (HARTMANN AS BRDR) 17 October 2001 (2001-10-17) column 5, line 40 - line 45	10, 11
Y	US 6 435 067 B1 (IRWIN JERE F) 20 August 2002 (2002-08-20)	10, 11
X	abstract; figures 6-9	13-15
	—/—	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

18 February 2005

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25/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 664 (M-1523), 8 December 1993 (1993-12-08) -& JP 05 220828 A (GIFU PLAST IND CO LTD), 31 August 1993 (1993-08-31) abstract	13-15
X	US 4 755 128 A (ALEXANDER ET AL) 5 July 1988 (1988-07-05) figures 1-7	13-15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/NL2004/000801

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4063477	A	20-12-1977	NONE	
EP 1145822	A	17-10-2001	EP 1145822 A1	17-10-2001
			AU 4639701 A	15-10-2001
			WO 0174564 A1	11-10-2001
			JP 2003529466 T	07-10-2003
			US 2003136537 A1	24-07-2003
US 6435067	B1	20-08-2002	US 2002178886 A1	05-12-2002
JP 05220828	A	31-08-1993	JP 2032849 C	19-03-1996
			JP 7067735 B	26-07-1995
US 4755128	A	05-07-1988	NONE	